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MINERALS PROGRAM
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TO: Tony Gallegos
FROM: DAN WASHINGTON
SUBJECT: Northern Stone Supply's, Turquoise Stone Project.

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COMMENTS: For your file5/03/020

NORTHERN STONE ACREAGE CALCULATIONS TURQUOISE STONE PLAN

Using a map measure wheel, and the air photo reproduction submitted by Northern Stone and the following assumptions:

1. All roads including cut and fill were 12 feet wide.
2. Measurements were only taken of current operating areas.
3. One tic mark on the map measure wheel equals 75 feet.

Roads: within the project area measured 150 tics.

$$150 \times 75' = 11250' \times 12' = 135000 \text{ ft}^2 + 43560 \text{ ft}^2 =$$

3.099 acres

Quarry Areas:

Map measure		Paced at Onsite	Headwall
90' X 120'	New Upper	30' X 60' = 900	ft ² 10'
150' X 225'	Upper	50' X 100' = 5000	ft ² 15'
100' X 150'	Lower Upper	35' X 75' = 2625	ft ² 8'
150' X 450'	Lower Combined	100' X 300' = 30000	ft ² 25'
			38525 ft ²
		38525 ft ² + 43560 ft ²	= .884 acres

Work and Living Areas:

Upper Stockpile	125' X 50' = 6250	ft ²
Lower Stockpile and Topsoil	150' X 400' = 60000	ft ²
Housing and Maintenance	125' X 350' = 43750	ft ²
		110000 ft ²

$$110000 \text{ ft}^2 + 43560 \text{ ft}^2 = 2.525 \text{ acres}$$

Air Field:

$$40' X 1000' = 40000 \text{ ft}^2 + 43560 \text{ ft}^2 = .918 \text{ acres}$$

TOTAL ACRES = 7.417

Draft - by Dan Washington - 3/10/93